

RFQ Injector Installation Updates (29 Aug – 05 Sep 2012)

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05 Sep 2012

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
RFQ		remove wall		disassemble 1 - solenoid				
wk 19 RFQ	Sep 2	3	4	5	6	7	8	
		install platform and steps						
						disassemble LEBT		
wk 20 RFQ	Sep 9	10	11	12	13	14	15	
		install platform and steps						
		disassemble LEBT	disconnect power/water in 750 line		remove H- cables in tray			
wk 21 RFQ	Sep 16	17	18	19	20	21	22	
		install platform and steps				cut door in concrete		
		remove hoses etc from wall by H- line		remove H- line components				
			clean out H- and I- supplies from racks					
wk 22 RFQ	Sep 23	24	25	26	27	28	29	
		install platform and steps						
		put power supplies in						
		remove 750 line magnets and stands						
wk 23 RFQ	Sep 30	Oct 1	2	3	4	5	6	
		install ion source racks/controls on platform						
		pull cables			install safety system electronics/cabling			
		remove orange steel			install support I beams			
wk 24 RFQ	Oct 7	8	9	10	11	12	13	
		install LEBT			put rougher in	install RFQ		
wk 25 RFQ	Oct 14	15	16	17	18	19	20	
		ion source startup	connect vacuum controls	connect high power RF to RFQ	connect power to solenoids	connect water to RFQ, solenoids		
wk 26 RFQ	Oct 21	22	23	24	25	26	27	
		align LEBT and RFQ			pumpdown, leak check	condition RFQ and get arc	beam tests	
wk 27 RFQ	Oct 28	29	30	31	Nov 1	2	3	
	beam tests	install MEBT, connect MEBT to tank 1				connect water to quads		
		align MEBT				connect vac ctrl, high power RF, power to quads		
wk 28 RFQ	Nov 4	5	6	7	8	9	10	
		pumpdown, leak check		condition buncher				
		controls testing						
		interlocks testing						
wk 29 RFQ	Nov 11	12	13	14	15	16	17	
		power testing	beam test to end of tank 1					
wk 30 RFQ	Nov 18	19	20	21	22	23	24	
		beam studies / commissioning						
wk 31	Nov 25	26	27	28	29	30	Dec 1	
	mech vacuum/rigging		mech water		alignment		rad safety	
	EE support		electricians		FESS/contract		building manager	
	Booster RF		Booster personnel		Linac personnel		RFQ personnel	

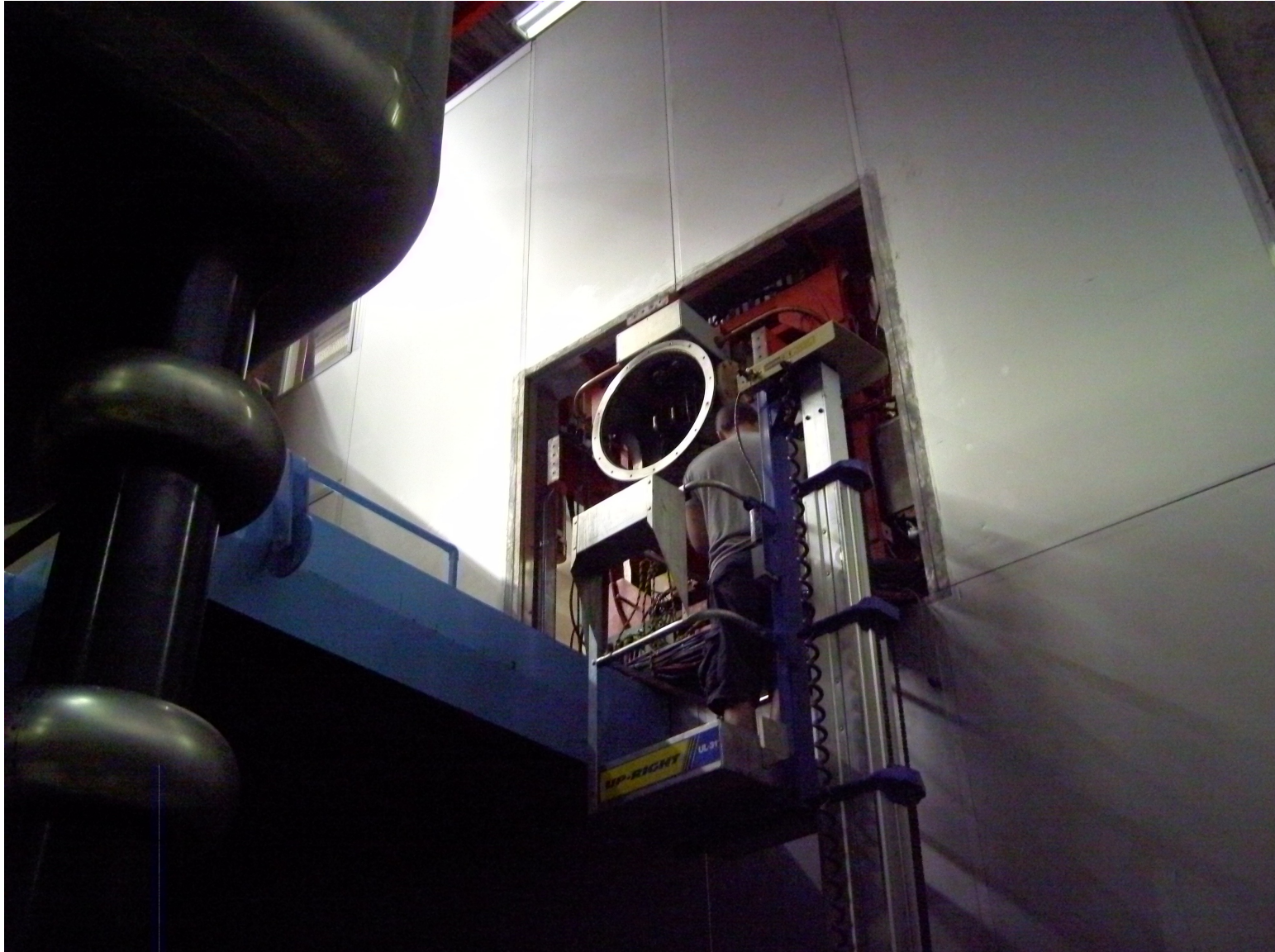
Wall panel removed for door cutting



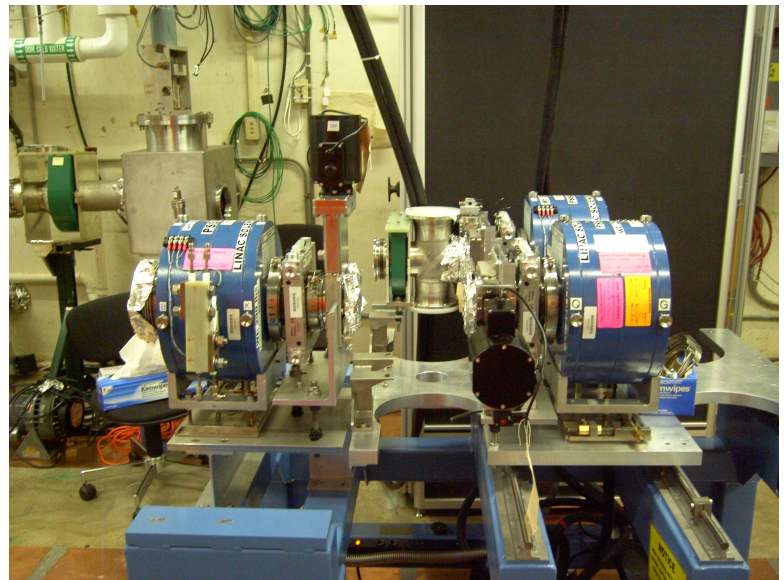
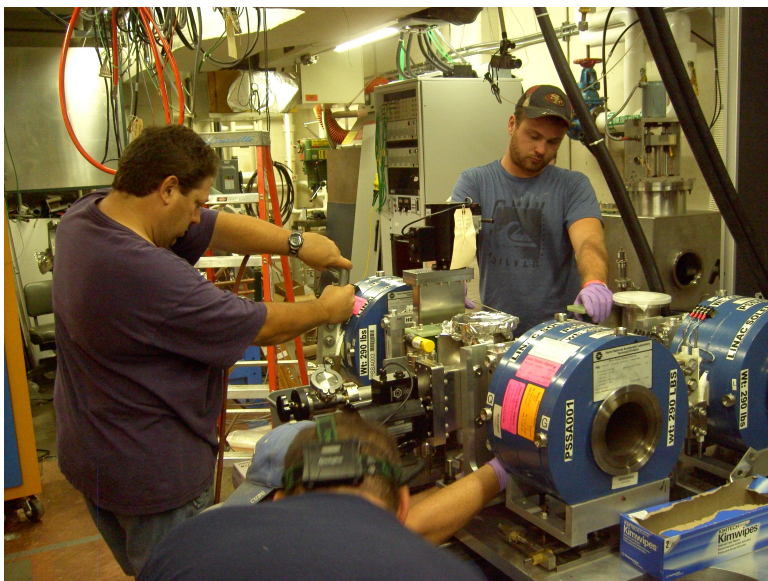
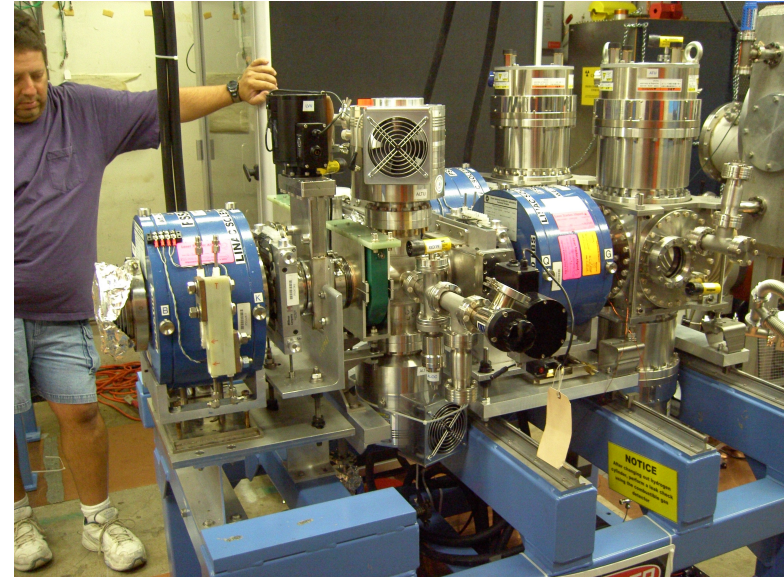
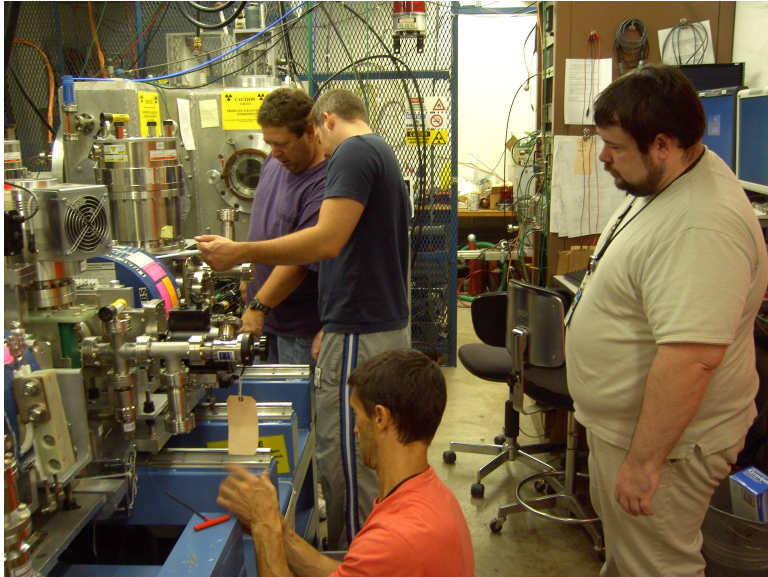
RFQ PA disassembled



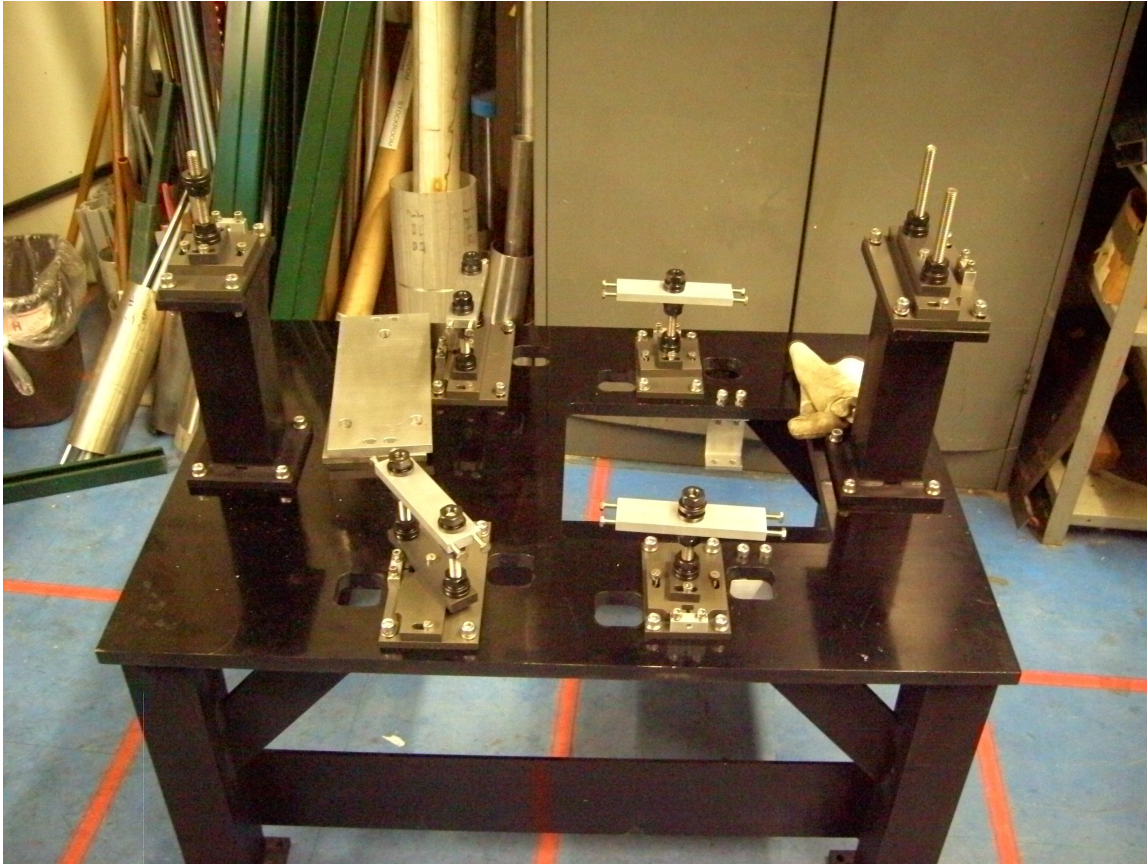
Tying up cables before platform assembly



LEBT stand disassembly



MEBT stand partially assembled



There are missing parts that are necessary for mounting the quadrupoles and the buncher.

Plans

- Construction of platform starts.
- Test area preparation for LEBT move
 - Power and vacuum cables removed from test line (done).
 - Cubes removed from test line (done)
 - Solenoids (left on)
 - Disassemble source HV cabinet